T0820 60267860

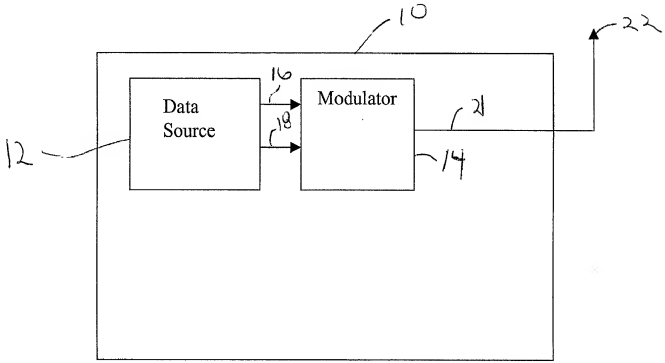

Figure 1

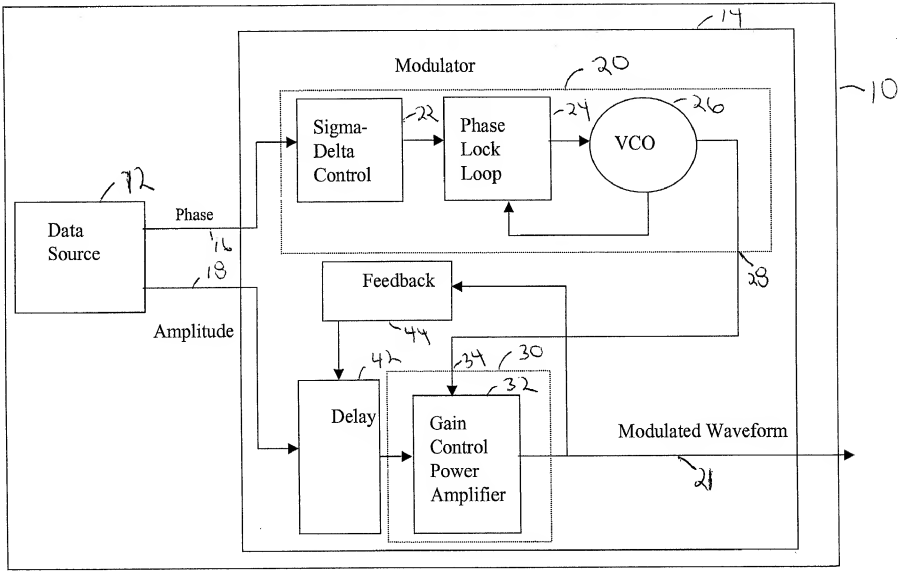
14
Modulator
20
10
Sigma-
Delta
Control
22
Phase
Lock
Loop
24
VCO
26
12
Data
Source
Phase
16
18
28
Feedback
44
Amplitude
42
34
30
32
Delay
Gain
Control
Power
Amplifier
Modulated Waveform
21

Figure 2

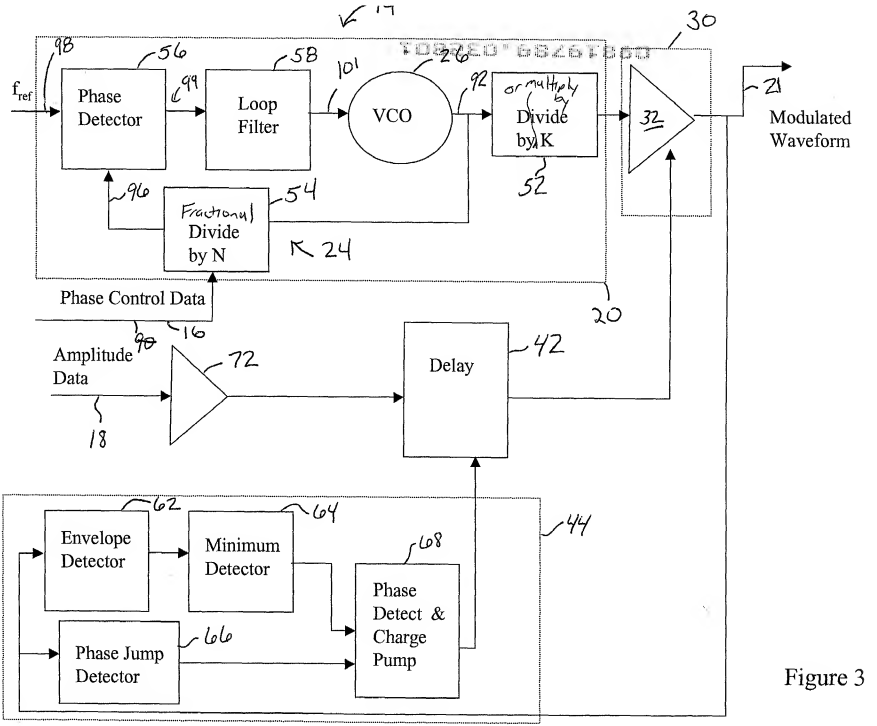
17
30
98
56
58
101
26
92
or multiply by
f_{ref}
Phase Detector
99
Loop Filter
VCO
Divide by K
32
21
Modulated Waveform
96
Fractional Divide by N
54
52
24
20
Phase Control Data
16
98
Amplitude Data
72
Delay
42
18
62
64
44
Envelope Detector
Minimum Detector
68
Phase Detect & Charge Pump
Phase Jump Detector
66

Figure 3

T08260*68267860

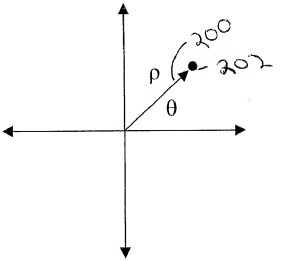

Figure 4

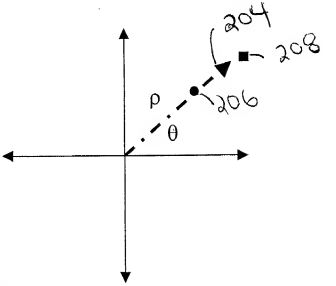

Figure 5

09847989.083618

FIG6

RECEIVED TIME MAR. 11. 6:59PM PRINT TIME MAR. 11. 7:03PM

T0325D'60Z6F850

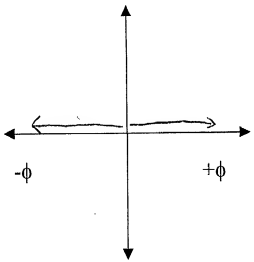

Figure 7